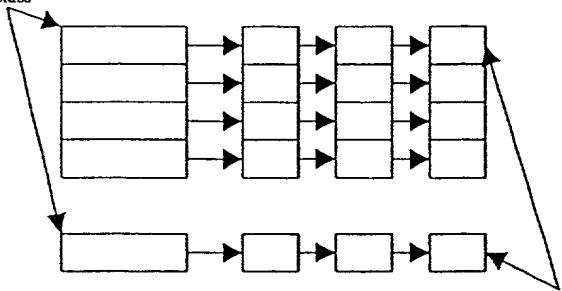


FIG. 1 A Distributed Computing Environment Suitable for Allocating Thread Local Storage

201 List of Shared Memory  
Address lists, sorted by size  
class



202 Lists of shared memory  
addresses, each within the  
same size class.

FIG. 2 KEY ELEMENTS OF SOFTWARE

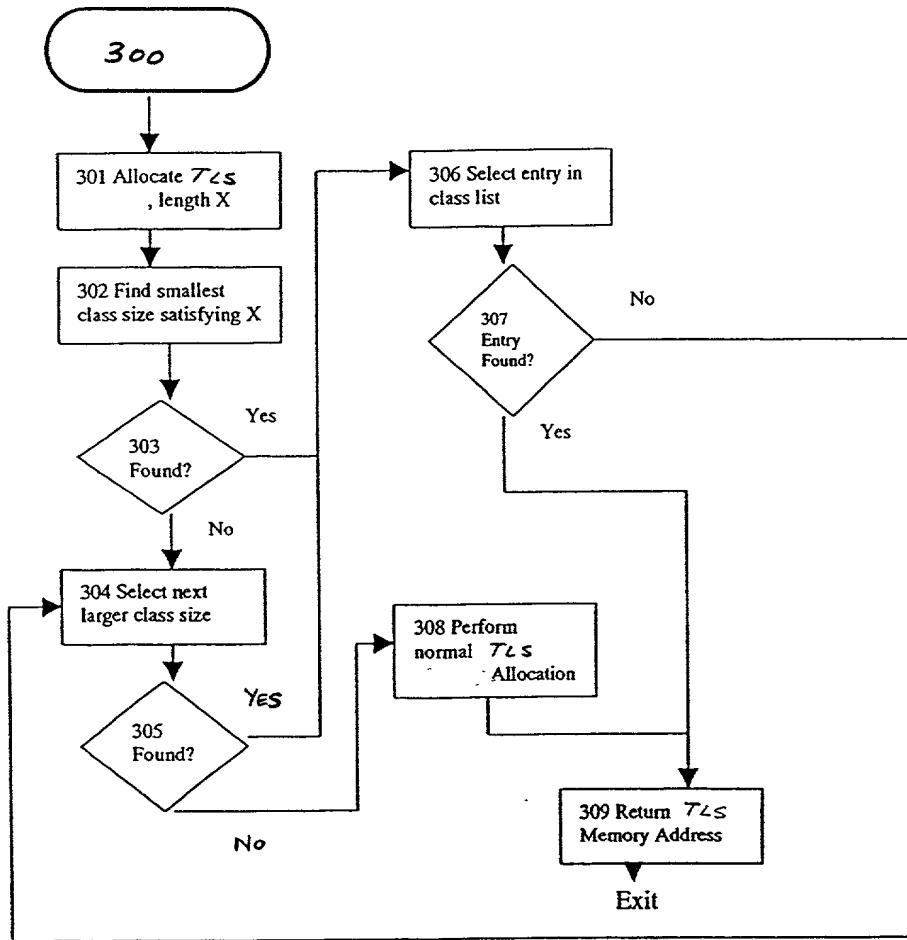


FIG.3 DECISION FLOW TO ALLOCATE TLS OF LENGTH X

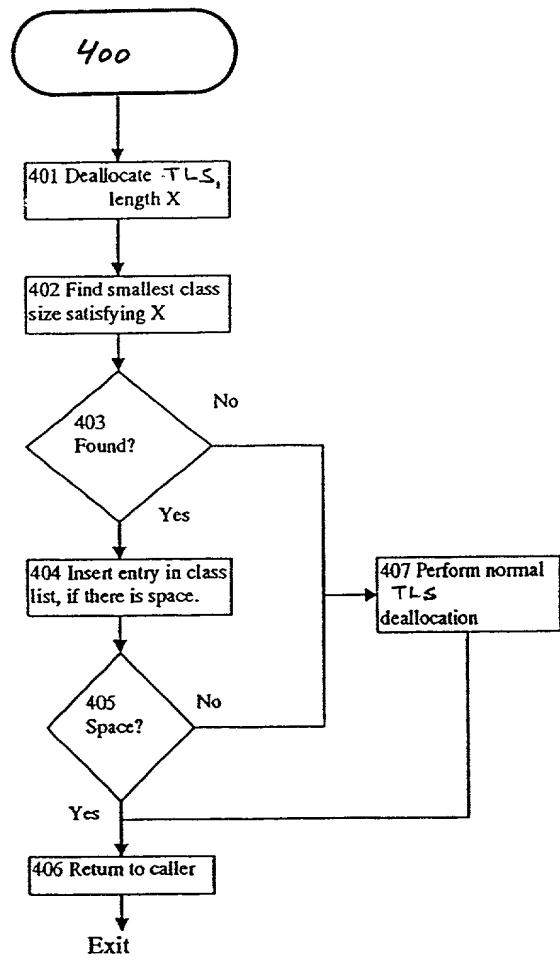


FIG.4 DECISION FLOW TO DEALLOCATE TLS

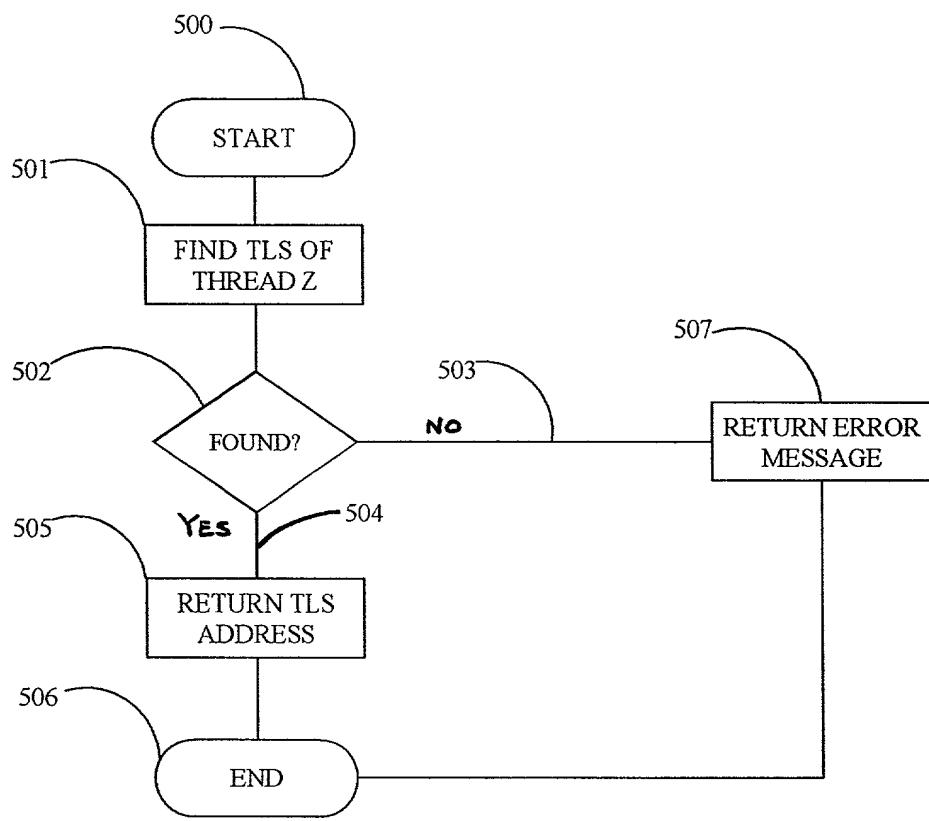


FIG. 5 A DECISION FLOW TO RETURN A THREAD LOCAL STORAGE ADDRESS GIVEN A THREAD IDENTIFICATION